

## **Enabling Transformation Through Innovative Technologies**

As a passionate technologist, I am excited to share my insights on innovative technologies that are shaping the future.

In this series of articles, I will explore a wide range of cutting-edge technologies, including Artificial Intelligence (AI), Post-Quantum Cryptography (PQC), Blockchain Technology and more.

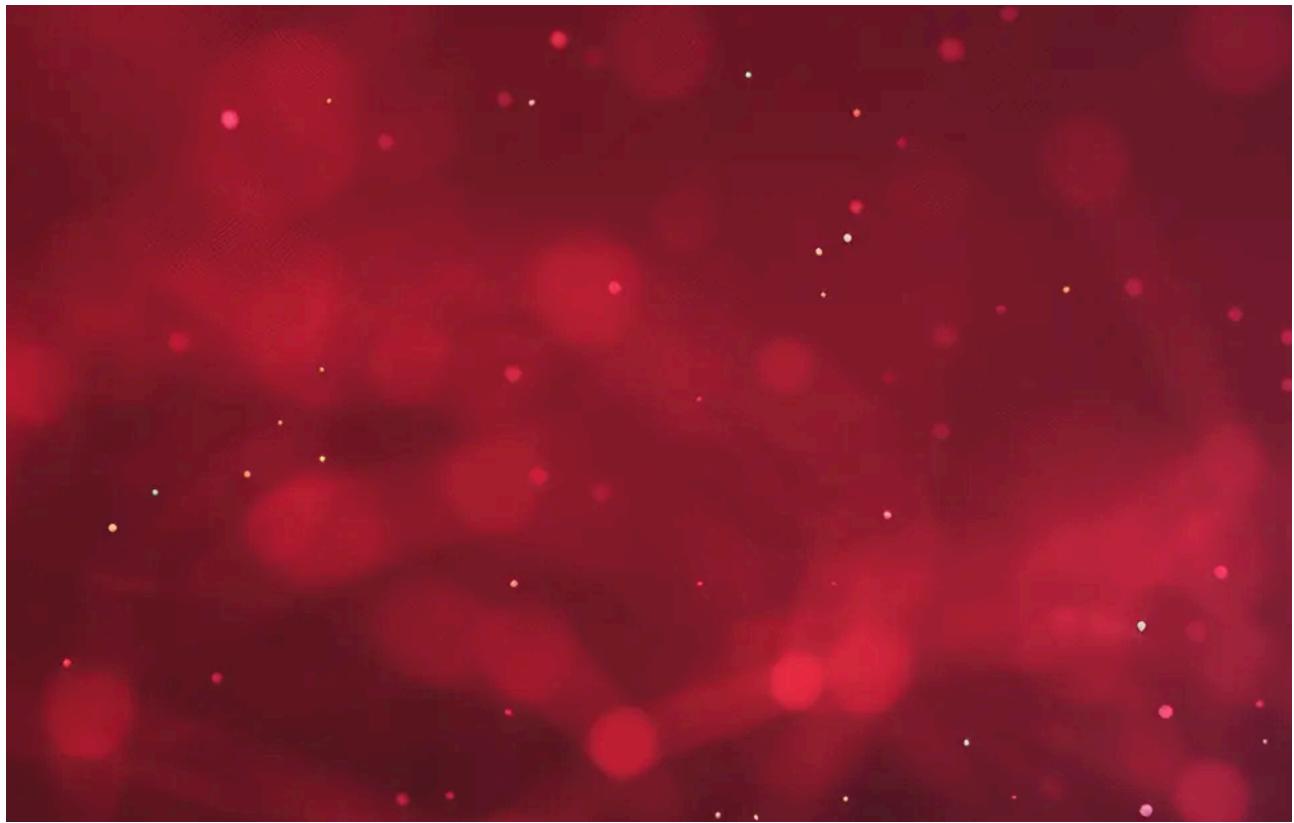
I will discuss their potential to impact various industries and aspects of our lives and how they can be applied to solve real-world problems.

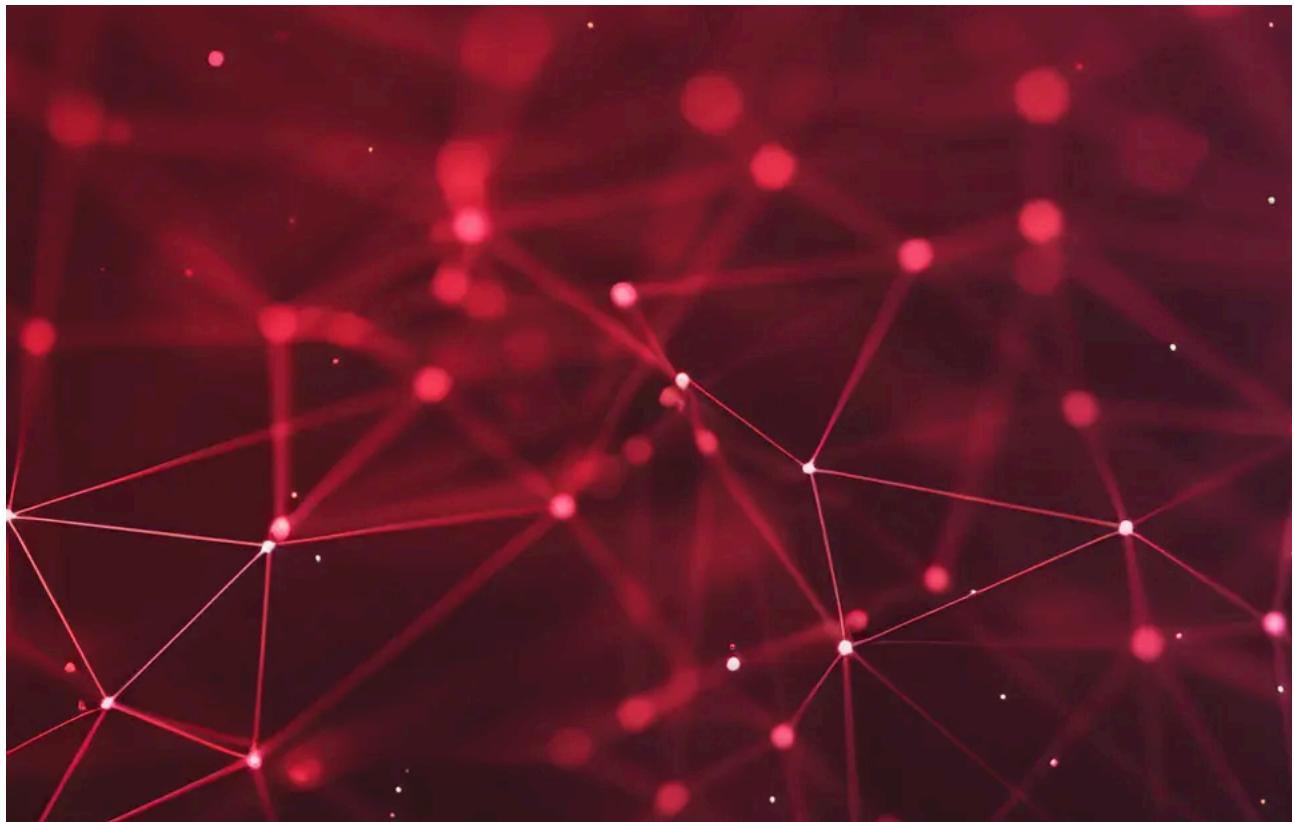
Read the latest articles below, and [see all articles, news and product announcements](#).

---

.class="m-10 w-100"

## **Latest News**







.class="fade-in zoom-in w-25 m-3 p-3 float-start"

## Bug Discovered in Quantum Algorithm for Lattice-Based Crypto

by [Sebastien Rousseau](#) (22 Apr 2024)

A bug in Yilei Chen's quantum algorithm for solving LWE has been found, temporarily securing lattice-based cryptography and highlighting the need for ongoing research.

[Learn more >](#)

.class="m-10 w-100"

---







.class="fade-in zoom-in w-25 m-3 p-3 float-end"

## **Quantum Algorithm Challenges Lattice-Based Cryptography**

by [Sebastien Rousseau](#) (15 Apr 2024)

New quantum algorithm solves key crypto problem, urges research into quantum-safe security.

[Learn more ➞](#)

---

.class="m-10 w-100"







.class="fade-in zoom-in w-25 m-3 p-3 float-start"

## **OpenVoice: Leading Innovation in Voice Cloning Technology**

by [Sebastien Rousseau](#) (01 Apr 2024)

Explore OpenVoice's groundbreaking voice cloning tech, offering unmatched speed, accuracy, and control in synthetic speech generation.

[Learn more ➞](#)

---

.class="m-10 w-100"







.class="fade-in zoom-in w-25 m-3 p-3 float-end"

## Fully Homomorphic Encryption (FHE) in a Banking Quantum Era

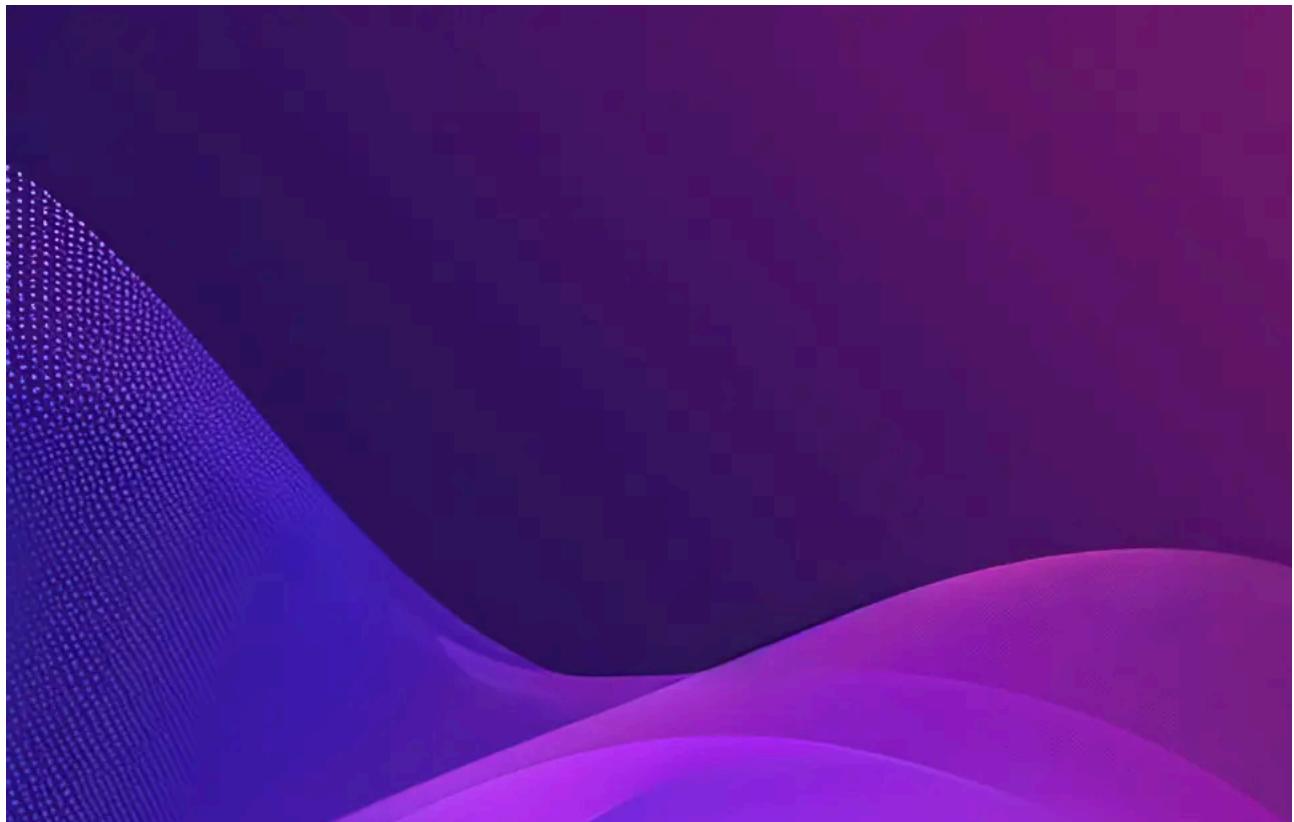
by [Sebastien Rousseau](#) (25 Mar 2024)

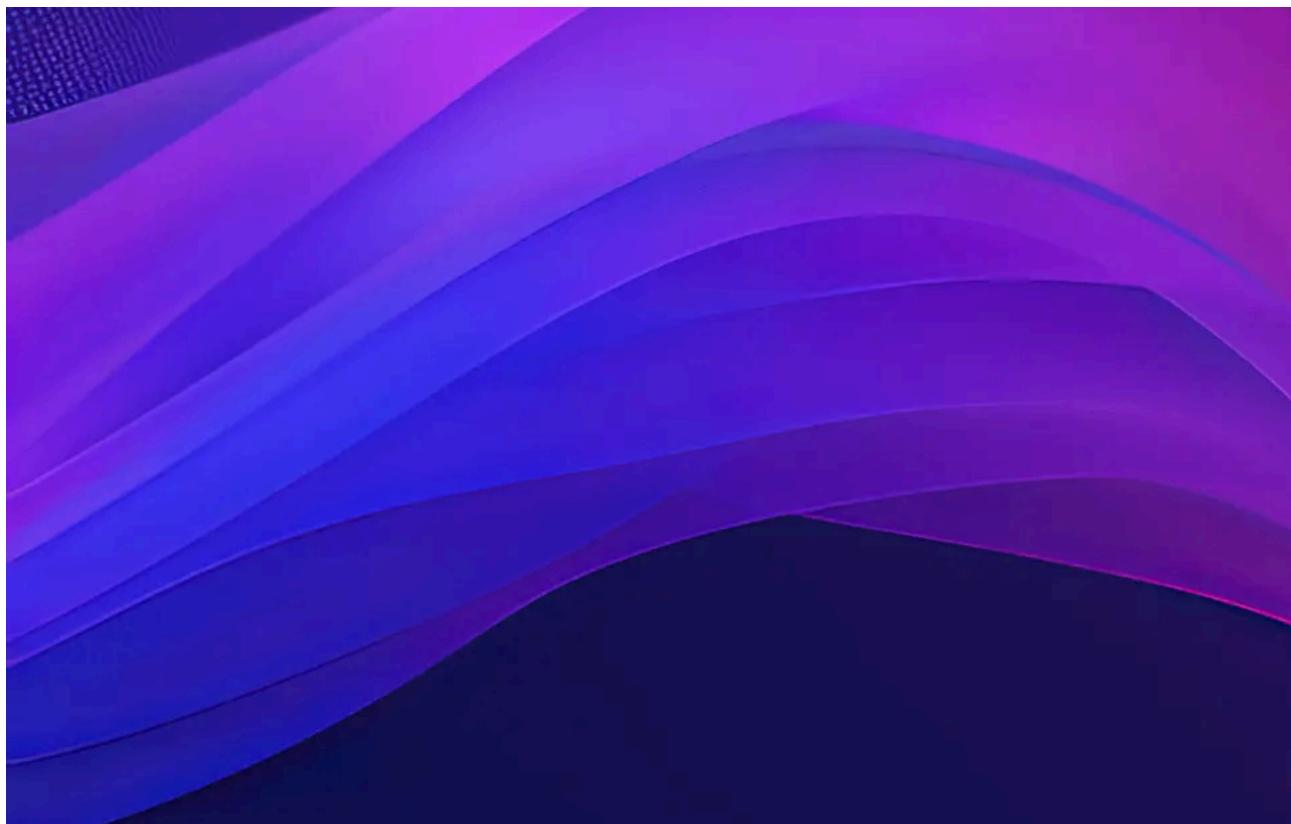
Explore how Fully Homomorphic Encryption revolutionises data security in Banking and the Financial Industry, ensuring privacy against quantum computing threats.

[Learn more >](#)

.class="m-10 w-100"

---







.class="fade-in zoom-in w-25 m-3 p-3 float-start"

## **Advancing AI with Multimodal LLMs: Insights from MM1**

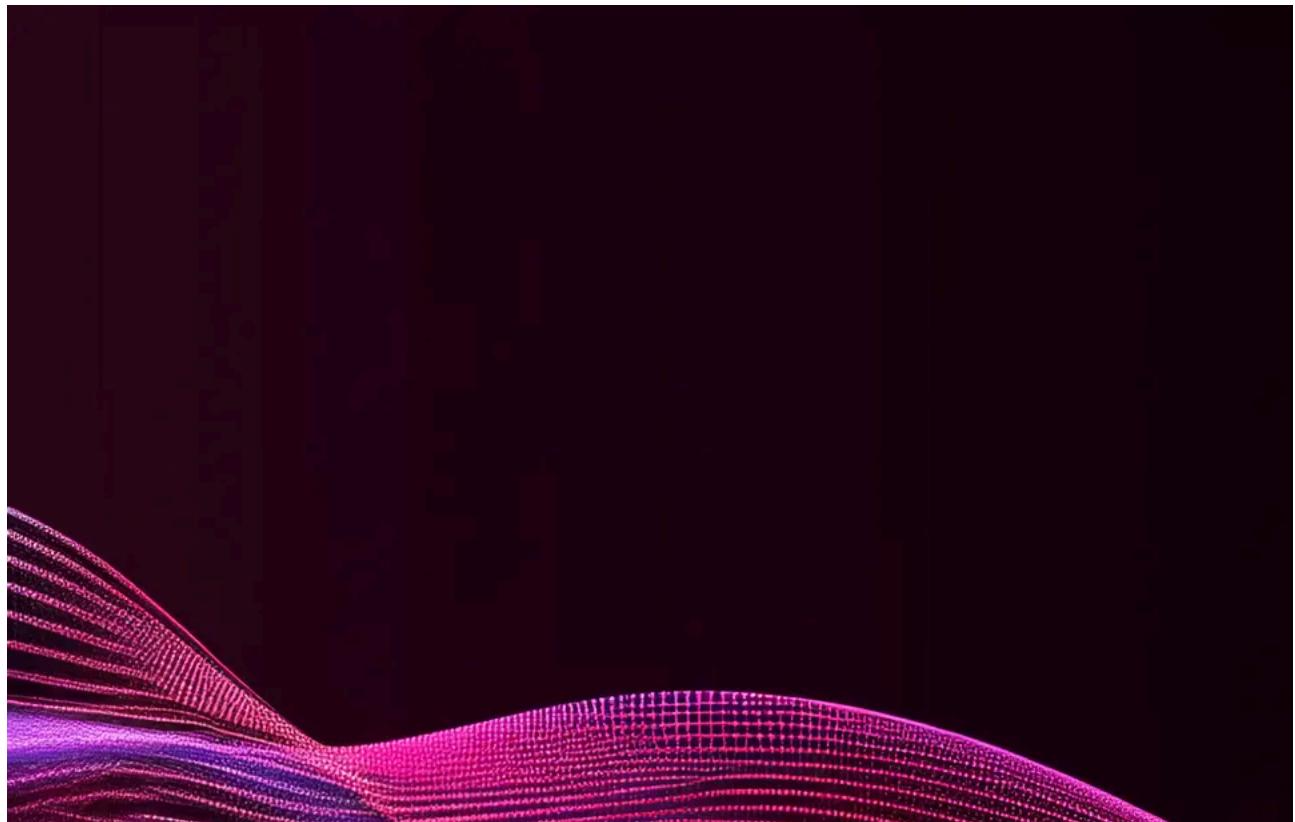
by [Sebastien Rousseau](#) (18 Mar 2024)

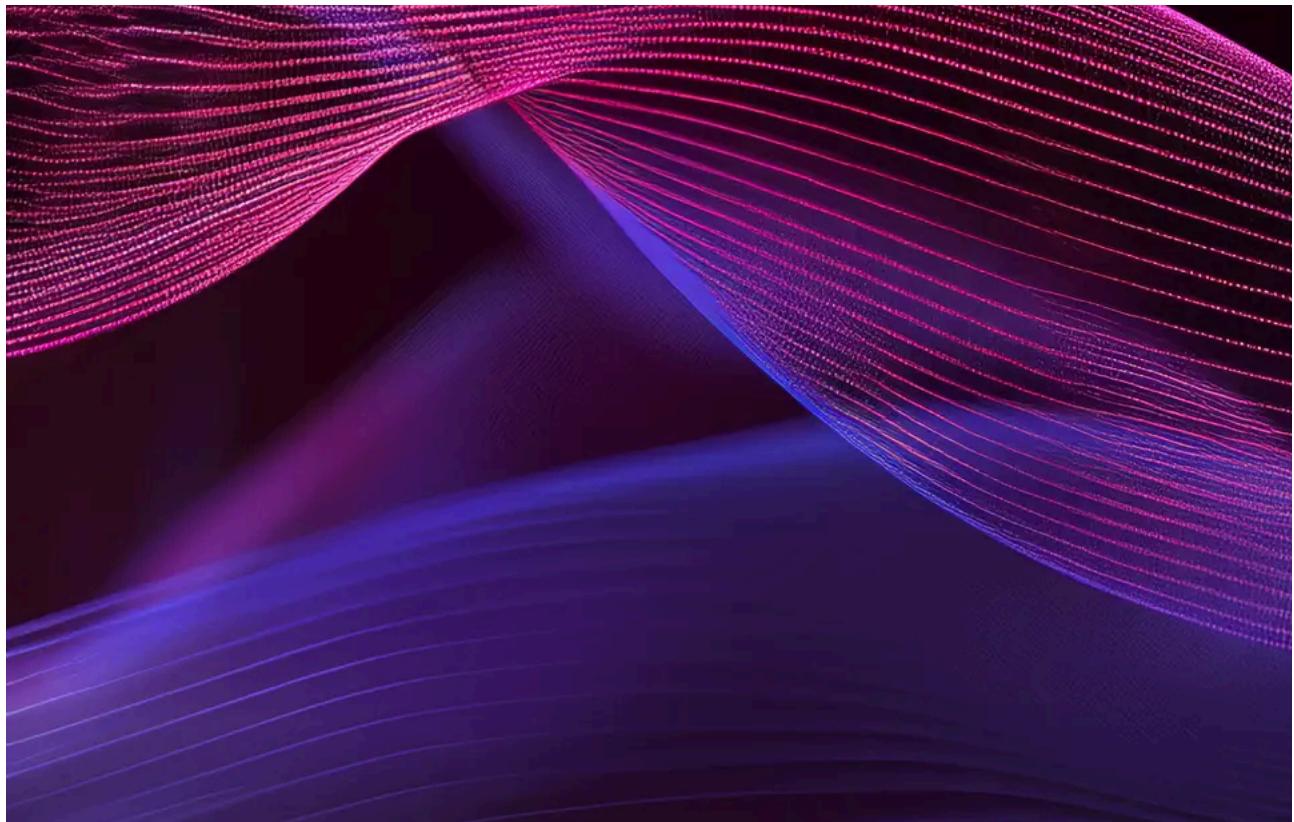
Explore Apple's MM1 paper on Multimodal Large Language Models (MLLMs). Learn about their architecture, pre-training strategies, and AI potentials.

[Learn more >](#)

.class="m-10 w-100"

---







.class="fade-in zoom-in w-25 m-3 p-3 float-end"

## Accelerating Real-Time Speech Recognition on macOS with OpenAI Whisper

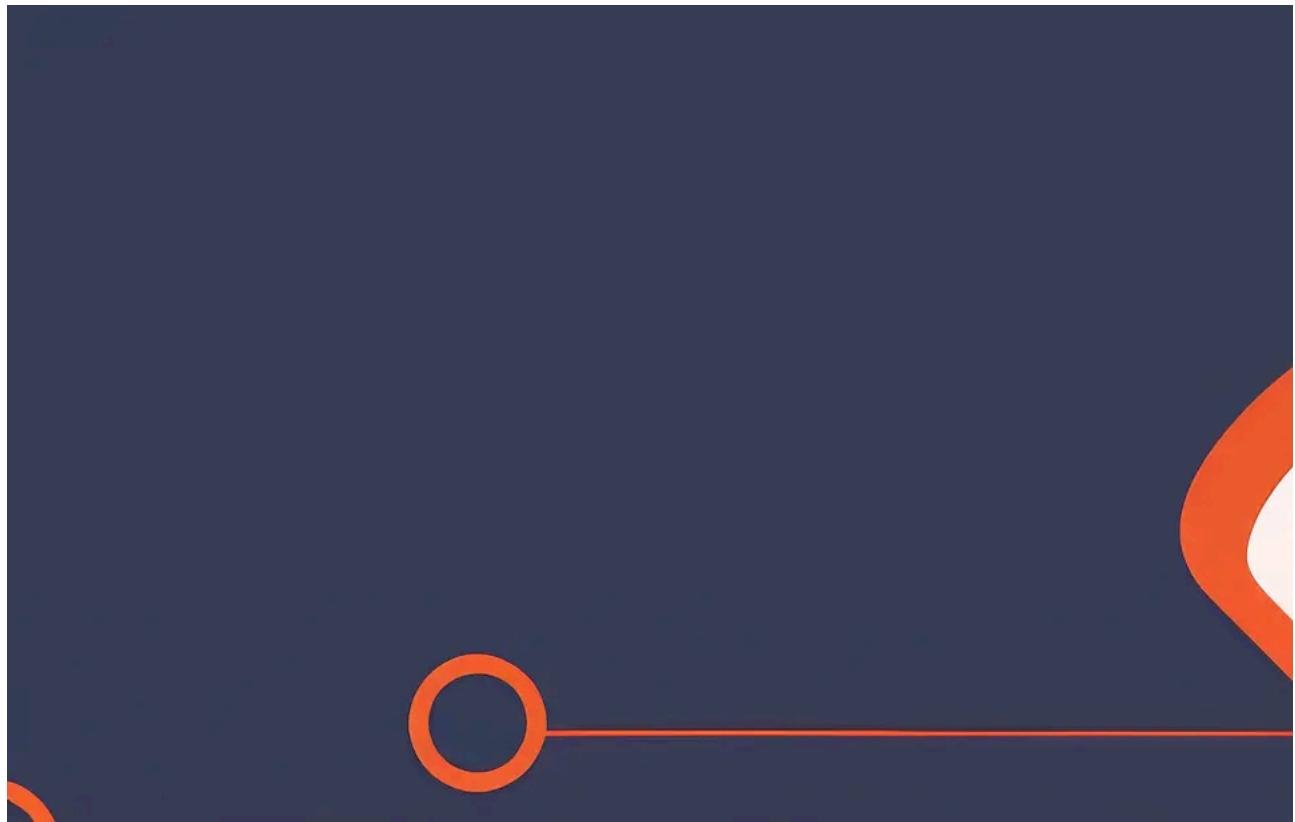
by [Sebastien Rousseau](#) (12 Mar 2024)

Explore how OpenAI Whisper and Metal Performance Shaders are transforming real-time speech recognition on macOS, offering unparalleled speed and accuracy.

[Learn more >](#)

.class="m-10 w-100"

---







.class="fade-in zoom-in w-25 m-3 p-3 float-start"

## Unleashing the Power of Logging in Rust with RustLogs (RLG)

by [Sebastien Rousseau](#) (08 Mar 2024)

Discover RustLogs (RLG), the flexible logging library for Rust with structured log formats, asynchronous logging, and extensive customisation options.

[Learn more >](#)

.class="m-10 w-100"

---

[See all articles >](#)